

In the claims

Cancel claims 1 through 7.

8. (New) A camshaft of an internal combustion engine comprising a shaft having a first, rigidly mounted cam element provided with first and second cam tracks, at least a second, rigidly mounted cam element having third and fourth cam tracks, and a helical recess formed on a surface thereof cooperable with a movable member received therein for selective axial displacement thereof, wherein at least one of the cam tracks of said first cam element is configured differently than at least one of the cam tracks of said at least second cam element.

9. (New) A camshaft according to claim 8 wherein a lobe portion of said first cam element provided with said first cam track is angularly displaced relative to a lobe portion of said at least second cam element provided with a cam track.

10. (New) A camshaft according to claim 8 wherein the radial dimension of a lobe portion of said first cam element provided with said first cam track varies relative to the radial dimension of a lobe portion of said at least second cam element provided with a cam track.

11. (New) A camshaft according to claim 8 wherein a first lobe portion of said first cam element providing said first cam track is angularly displaced relative to a first lobe portion of said at least second cam element providing said third cam track.

12. (New) A camshaft according to claim 11 wherein a second lobe portion of said first cam element providing said second cam track is angularly displaced relative to a second lobe portion of said at least second cam element providing said fourth cam track.

13. (New) A camshaft according to claim 8 wherein the radial dimension of a first lobe portion of said first cam element providing said first cam track varies relative to the radial

dimension of a first lobe portion of said at least second cam element providing said third cam track.

14. (New) A camshaft according to claim 13 wherein the radial dimension of a second lobe portion of said first cam element providing said second cam track varies relative to the radial dimension of a second lobe portion of said at least second cam element providing said fourth cam track.

15. (New) A camshaft according to claim 8 wherein a first lobe portion of said first cam element providing said first cam track is angularly displaced relative to and has a radial dimension that varies with a first lobe portion of said at least second cam element providing said third cam track, and said second lobe portion of said first cam element providing said second cam track is angularly displaced relative to and has a radial dimension that varies with a second lobe portion of said at least second cam element providing said fourth cam track.